

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of authentication and payment in an authentication and payment system that ~~[[has]]~~ includes a terminal, at least one server, and a network connecting ~~these~~ the terminal and the at least one server, the method that is carried out by the at least one server comprising the steps of:

receiving a request for usage of a service from the terminal through the information network;

selecting at least one situation from ~~[[a]]~~ plural situations ~~[[of]]~~ each of which identifies a ~~content-described~~ network environment and a system policy, based on a description of a terminal network environment and a terminal system policy in a service certificate sent from the terminal, ~~a network environment and a system policy~~; and

changing a service procedure ~~and/or~~ or a message format to operate the authentication and payment system according to the selected situation.

Claim 2 (Currently Amended): A terminal comprising:

a receiver configured to receive a first certificate of service including ~~related~~ information from an authentication and payment device and a digital signature through an information network; and

a transmitter configured to ~~manipulate~~ generate a second certificate of service based on the first certificate of service, the to generate a second certificate of service including identification information of the terminal, and to transmit the second certificate of service to a service providing device through the information network.

Claim 3 (Currently Amended): A terminal in accordance with claim 2, wherein the second certificate of service is generated from all or a part of the first certificate of service; from all or a part of the first certificate of service and ~~a piece of new~~ additional information ~~added thereto~~; from all or a part of the first certificate of service and ~~[[a]]~~ the digital signature ~~added thereto~~; or from all or a part of the first certificate of service, the additional ~~and the~~ ~~piece of new~~ information, and the digital signature ~~added thereto~~.

Claim 4 (Currently Amended): A terminal in accordance with claim 3, wherein the second certificate of service is generated from identification information including at least one of an identifier of certification, an identifier of an authentication and payment device, and a digital signature of the authentication and payment device, which are extracted from the first certificate of service, ~~[[form]]~~ from the identification information and ~~a piece of new~~ the additional information ~~added thereto~~, or from the identification information, ~~[[and]]~~ the ~~piece of new~~ additional information, and a digital signature ~~added thereto~~.

Claim 5 (Currently Amended): A terminal comprising:
a usage history managing ~~means~~ unit configured to manage a usage history of a certificate of service distributed from an authentication and payment device through an information network, the usage history including information regarding at least one previous transaction; and

an acknowledgement ~~means~~ unit configured to acknowledge to the authentication and payment device when the usage history satisfies conditions defined in the certificate of service.

Claim 6 (Currently Amended): A service providing device comprising:

a receiver configured to receive a request for a service including a certificate of service sent from a terminal through an information network; [[and]]

a controller configured to select a timing of providing the service in response to the request for the service from the terminal; and

a transmitter configured to transmit a request for authentication and payment ~~itself or~~ with or without a digital signature to an authentication and payment device through the information network, and

wherein the request for authentication and payment is [[to be]] formed from all or a part of the certificate of service or from all or a part of the certificate of service and additional ~~a piece of new information added thereto.~~

Claim 7 (Currently Amended): A service providing device in accordance with claim 6, wherein the request for authentication and payment is formed from identification information including at least one of an identifier of the certificate of service, an identifier of the authentication and payment device and a digital signature of the authentication and payment device, which are extracted from the certificate of service, or from the identification information and ~~a piece of new~~ the additional ~~information added thereto;~~ and the request for authentication and payment is [[to be]] transmitted ~~itself or~~ with or without a digital signature ~~added thereto.~~

Claim 8 (Currently Amended): A service providing device in accordance with claim 7, further comprising:

a controller configured to select ~~timing of providing a service in response to the request from the terminal or~~ timing of processing the request for authentication and payment

to the authentication and payment device, ~~[[or]]~~ and configured to simplify the processing of the request for authentication and payment.

Claim 9 (Currently Amended): A service providing device in accordance with claim 7, further comprising:

another receiver configured to receive a first certificate of service from the terminal through the information network; and

another transmitter configured to generate a second certificate of service by adding a ~~piece of new~~ the additional information to the first certificate of service and to transmit the generated second certificate of service to the terminal through the information network.

Claim 10 (Currently Amended): An authentication and payment device comprising:
a certificate of service issuing ~~means for issuing~~ unit configured to issue a certificate of service to an other device, the certificate of service indicating a maximum number of times the certificate of service may be used; and

a processing ~~means for processing~~ unit configured to process at least one of verification of a request for authentication and payment sent from the other device through an information network, authentication of the received request for authentication and payment, permission for provision of a service that is requested by the request for authentication and payment, and payment for the provision of the service.

Claim 11 (Currently Amended): An authentication and payment device in accordance with claim 10, wherein the certificate of service contains at least one piece of information of an identifier of the certificate of service, an identifier of the authentication and payment

device, an identifier of the other device, information of expiration date of the certificate of service, and information of a constraint of the service to the other device.

Claim 12 (Currently Amended): An authentication and payment device in accordance with claim 10, further comprising:

an information storing means for storing unit configured to store all or a part of information ~~which is inherently~~ to be contained in the certificate of service as a stored information, and

wherein the certificate of service ~~contains~~ includes information of a location of the stored information in the information storing ~~means~~ unit.

Claim 13 (Currently Amended): An authentication and payment device in accordance with claim 10, further comprising:

a transmitter configured to transmit the certificate of service to the other device in response to a request ~~therefrom~~ from the other device or in accordance with a predetermined condition for transmission.

Claim 14 (Currently Amended): An authentication and payment device in accordance with claim 13, wherein the certificate of service issuing ~~means~~ updates unit is further configured to update a content of the certificate of service ~~along with an update of~~ based on updated information under control of the authentication and payment device, and the transmitter transmits the updated certificate of service to the other device.

Claim 15 (Currently Amended): An operation method of an authentication and payment system including a terminal, a service providing device, an authentication and

payment device, and an information network connecting ~~these devices~~ the terminal, the service providing device, and the authentication and payment device, comprising the steps of:

receiving a request for use of a service from the terminal through the information network;

analyzing a content of a certificate of service to be sent to the terminal, a network environment, and ~~and/or~~ a system operation policy; and

adapting a service procedures and/or procedure or a message formats format to at ~~least one of plural situations~~ of the content of the certificate of service, the network environment, and the system operation policy.

Claim 16 (Currently Amended): A control information providing device comprising:
~~receiving means of~~ a receiver configured to receive a request for use of a service;
~~analyzing means of~~ an analyzing unit configured to analyze a content of a certificate of service, a network environment, and ~~and/or~~ a system operation policy; and

a control information generating means unit configured to generate control information ~~adaptive to at least one of plural situations of~~ based on the content of the certificate of service, the network environment, and the system operation policy.

Claim 17 (Currently Amended): A control information providing device in accordance with claim 16, further comprising:

~~open means~~ an opening unit configured to open the control information generated by the control information generating means to the information network.

Claim 18 (Currently Amended): A control information providing device in accordance with claim 16 or 17, wherein the control information ~~contains a piece of~~ includes information of an identifier.